

```
ring nodes:
    1 2 3 4 5 6 7 8 9 11 12 13 14 15 16

chain bonds:
    7-11

ring bonds:
    1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 11-12 11-16 12-13 13-14 14-15 15-16

exact/norm bonds:
    5-7 6-9 7-8 7-11 8-9

normalized bonds:
    1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16

isolated ring systems:
    containing 1: 11:
```

G1:0,S

Match level:
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 19:CLASS

```
C:\stnweb\Queries\193b.str
```

```
chain nodes :
    17   21   22
ring nodes :
    1   2   3   4   5   6   7   8   9   11   12   13   14   15   16
chain bonds :
    7-11   8-21   8-22
ring bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   5-7   6-9   7-8   8-9   11-12   11-16   12-13   13-14   14-15   15-16
exact/norm bonds :
    5-7   6-9   7-8   7-11   8-9   8-21   8-22
normalized bonds :
    1-2   1-6   2-3   3-4   4-5   5-6   11-12   11-16   12-13   13-14   14-15   15-16
isolated ring systems :
    containing 1 : 11 :
```

G1:0,S

Match level:
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 19:CLASS 21:CLASS

```
C:\Striweb\queries\193c.str
```

```
ring nodes :
    1 2 3 4 5 6 7 8 9 11 12 13 14 15 16 21 22 23 24 25

chain bonds :
    7-11

ring bonds :
    1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 8-21 8-22 11-12 11-16 12-13 13-14 14-15 15-16 21-25 22-23 23-24 24-25

exact/norm bonds :
    5-7 6-9 7-8 7-11 8-9 8-21 8-22 21-25 22-23 23-24 24-25

normalized bonds :
    1-2 1-6 2-3 3-4 4-5 5-6 11-12 11-16 12-13 13-14 14-15 15-16 isolated ring systems :
    containing 1 : 11 :
```

G1:0,S

G2:C,N

chain nodes :

Match level:
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 19:CLASS 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom

* * * :	* *	* *	* *	* Welcome to STN International * * * * * * * * *
NEWS	1			Web Page URLs for STN Seminar Schedule - N. America
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NEWS	3	Feb	24	PCTGEN now available on STN
NEWS	4	Feb	24	TEMA now available on STN
NEWS	5		26	NTIS now allows simultaneous left and right truncation
NEWS	6		26	PCTFULL now contains images
NEWS	7		04	
NEWS NEWS	<u>8</u> 9		24 24	PATDPAFULL now available on STN Additional information for trade-named substances without
				structures available in REGISTRY
NEWS :		Apr		Display formats in DGENE enhanced
NEWS 1		Apr Apr		MEDLINE Reload Polymer searching in REGISTRY enhanced
NEWS :	_	AUG		Indexing from 1927 to 1936 added to records in CA/CAPLUS
NEWS 3	_	Apr		New current-awareness alert (SDI) frequency in
		_		WPIDS/WPINDEX/WPIX
NEWS		Apr		RDISCLOSURE now available on STN
NEWS 1		May		Pharmacokinetic information and systematic chemical names added to PHAR
NEWS :	_	May		MEDLINE file segment of TOXCENTER reloaded
NEWS 1		May		Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 1		May		Simultaneous left and right truncation added to WSCA
NEWS 2		May		RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 2		Jun		Simultaneous left and right truncation added to CBNB
NEWS 2		Jun		PASCAL enhanced with additional data
NEWS 2		Jun		2003 edition of the FSTA Thesaurus is now available
NEWS 2		Jun Jul		HSDB has been reloaded Data from 1960-1976 added to RDISCLOSURE
NEWS 2		Jul		Identification of STN records implemented
NEWS 2		Jul		Polymer class term count added to REGISTRY
NEWS 2		Júl		INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS 2	29	AUG	0.5	New pricing for EUROPATFULL and PCTFULL effective
			• •	August 1, 2003
NEWS 3	30	AUG	13	Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 3	31	AUG	15	PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS 3	32	AUG	15	PCTGEN: one FREE connect hour, per account, in
			_	September 2003
NEWS 3	33	AUG	15	RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS 3	34	AUG	15	TEMA: one FREE connect hour, per account, in
				September 2003
NEWS 3		AUG		Data available for download as a PDF in RDISCLOSURE
NEWS 3			18	•
NEWS 3	_	AUG	18	FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS 3	88	AUG	18	Simultaneous left and right truncation added to ANABSTR
NEWS E	XPR	ESS	Apr	cil 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT
				CINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP),
				CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS H		_		N Operating Hours Plus Help Desk Availability
NEWS I				neral Internet Information
NEWS I		_		come Banner and News Items
NEWS W		ഥ		rect Dial and Telecommunication Network Access to STN
MENS N	. VV VV		CAS	S World Wide Web Site (general information)

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=> file reg

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

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STRUCTURE FILE UPDATES: 7 SEP 2003 HIGHEST RN 581049-54-9 DICTIONARY FILE UPDATES: 7 SEP 2003 HIGHEST RN 581049-54-9

TSCA INFORMÁTION NOW CURRENT THROUGH JANUARY 6, 2003

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Crossover limits have been increased. See <a href="HELP CROSSOVER">HELP CROSSOVER</a> for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

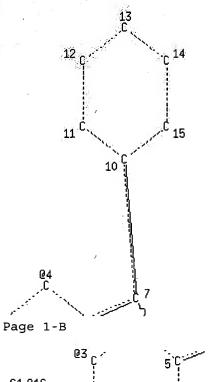
=> L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR

0 17 \$ 18 Page 1-A



G1 @16 5 C 5 C 6 C 6 C 9

Page 2-B VAR G1=17/18 VPA 16-1/2/3/4 S NODE ATTRIBUTES:

NSPEC	IS	R		AT	1
NSPEC	IS	R		ΑT	2
NSPEC	IS	R		AT	3
NSPEC	IS	R		AT	4
NSPEC	IS	R		AT	5
NSPEC	IS	R		AT	6
NSPEC	IS	R		AT	7
NSPEC	IS	R		AT	8
NSPEC	IS	Ŕ		ΑT	9
NSPEC	IS	R		ΑT	10
NSPEC	IS	Ŕ		ΑT	11
NSPEC	IS	R		ΑT	12
NSPEC	IS	R		AT	13
NSPEC	IS	R		AT	14
NSPEC	IS	R		AT	15
NSPEC	IS	С		AT	16
DEFAULT	MLI	EVEL	IS	ATON	1

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 18

DEFAULT ECLEVEL IS LIMITED

STEREO ATTRIBUTES: NONE

=> 8 11

SAMPLE SEARCH INITIATED 08:24:11 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 1143 TO ITERATE

87.5% PROCESSED 1000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

50 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 20832 TO 24888 PROJECTED ANSWERS: 1390 TO 2586

50 SEA SSS SAM L1

=> s 11 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 147.75 U.S. DOLLARS DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y) /N or END:y FULL SEARCH INITIATED 08:24:17 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 23107 TO ITERATE

100.0% PROCESSED 23107 ITERATIONS SEARCH TIME: 00.00.01

2122 ANSWERS

1.3 2122 SEA SSS FUL L1

=> file hcaplus

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 150.15 150.36

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FILE COVERS 1907 - 8 Sep 2003 VOL 139 ISS 11 FILE LAST UPDATED: 7 Sep 2003 (20030907/ED)

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=> 8 13

L4629 L3

=> file reg

COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST

2.25 152.61

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STRUCTURE FILE UPDATES: 7 SEP 2003 HIGHEST RN 581049-54-9 DICTIONARY FILE UPDATES: 7 SEP 2003 HIGHEST RN 581049-54-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

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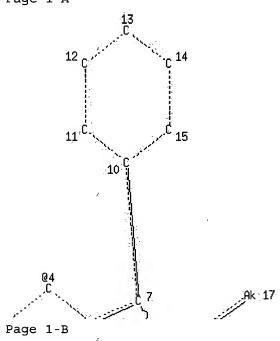
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Experimental and calculated property data are now available. See HELF PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> L5 STRUCTURE UPLOADED

=> d 15 L5 HAS NO ANSWERS L5 STR

0 19 S 20 Page 1-A



Page 2-B VAR G1=19/20 VPA 16-1/2/3/4 S NODE ATTRIBUTES: NSPEC IS R ΑT NSPEC IS R ΑT NSPEC IS R ΑT IS R NSPEC ΑT NSPEC IS R ΑT 5 NSPEC IS R AT 6 NSPEC IS R ΑT 7 NSPEC IS R AT8 IS R NSPEC ΑT 9 IS R NSPEC AΤ 10 NSPEC IS R ΑT NSPEC IS R ΑT NSPEC IS R ΑT 13 NSPEC IS R AT NSPEC IS R ΑT 15 NSPEC IS C ΑT 16 NSPEC IS C ΑT 17

GRAPH ATTRIBUTES:

RSPEC I

NSPEC

NUMBER OF NODES IS 20

IS C

DEFAULT MLEVEL IS ATOM MLEVEL IS CLASS AT

DEFAULT ECLEVEL IS LIMITED

STEREO ATTRIBUTES: NONE

=> s 15

SAMPLE SEARCH INITIATED 08:25:45 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1143 TO ITERATE

17 18

87.5% PROCESSED 1000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

ΑT

3 ANSWERS

DEFECT TIME. 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS:

20832 TO 24888

PROJECTED ANSWERS:

3 TO 17

L6

3 SEA SSS SAM L5

=> s 15 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 147.75 U.S. DOLLARS

DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y)/N or END:y FULL SEARCH INITIATED 08:25:53 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 23107 TO ITERATE

100.0% PROCESSED 23107 ITERATIONS

96 ANSWERS

SEARCH TIME: 00.00.01

L7

96 SEA SSS FUL L5

=> file hcaplus

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION

FULL ESTIMATED COST

148.55 301.16

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FILE COVERS,1907 - 8 Sep 2003 VOL 139 ISS 11 FILE LAST UPDATED: 7 Sep 2003 (20030907/ED)

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=> s 17

L8

5 L7

=> s 18 and pd ohkawa, s?/au

0 PD OHKAWA, S?/AU

L9 0 L8 AND PD OHKAWA, S?/AU

=> s l8 and pd < july 1997

18057329 PD < JULY 1997

(PD<19970700)

L10

3 L8 AND PD < JULY 1997

=> d 110, ibib abs fhitstr, 1-3

L10 ANSWER 1 OF 3 HCAPLUS COPYRIGHT 2003 ACS on STN

Full Citing Text References

ACCESSION NUMBER:

1988:549335 HCAPLUS

DOCUMENT NUMBER:

109:149335

TITLE:

Preparation of 5-hydroxycoumaran derivatives as

cardiovascular and antiallergy agents

INVENTOR(S):

Terao, Shinji; Maki, Yoshitaka

PATENT ASSIGNEE(S):

Takeda Chemical Industries, Ltd., Japan

SOURCE:

Eur. Pat. Appl., 39 pp.

CODEN: EPXXDW

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 273647	A1	19880706	EP 1987-311122	19871217 <
EP 273647	B1	19920311		
R: AT, BE,	CH, DE	, ES, FR, GB,	GR, IT, LI, LU, NL	, SE
JP 01272578	A2	19891031	JP 1987-310346	19871207 <
JP 08005871	B4	19960124		
AT 73448	E	19920315	AT 1987-311122	19871217 <
DK 8706789	Α	19880628	DK 1987-6789	19871222 <
US 4857516	A	19890815	US 1987-136273	19871222 <
HU 48609	A2	19890628	HU 1987-5988	19871223 <
HU 206332	В	19921028		
AU 8783040	A1	19880630	AU 1987-83040	19871224 <
AU 605818	B2	19910124		
CA 1325635	A1	19931228	CA 1987-555354	19871224 <
PRIORITY APPLN. INFO.	:		JP 1986-313380	19861227
		:	JP 1987-235491	19870918
			EP 1987-311122	19871217
OTHER SOURCE(S) ·	CA:	SPEACT 109.14	9335 · MADDAT 109 · 14	9335

OTHER SOURCE(S):

CASREACT 109:149335; MARPAT 109:149335

GΙ

$$R^{00}$$
 $R^{0}$ 
 $R^{$ 

AB The title compds. [I; R = alkyl; R0 = H, acyl; R1-R4 = (un)substituted alkyl; R1R2 = CH:CHCH:CH; R3R4 = polymethylene; R5 = (un)substituted alkyl, aryl, heterocyclyl] were prepd. 4-FC6H4COCHMe2 (prepn. given) was added to 1-bromo-2,5-dimethoxy-3,4,6-trimethylbenzene in THF previously treated with BuLi and the mixt. stirred 1 h to give 92.3% diphenylpropanol II which was refluxed 18 h in 47 wt.% aq. HBr to give 74.8% title compd. III. The latter, at 100 mg/kg orally gave 93% inhibition of the excitatory behavior induced by spinal intrathecal injection of FeCl2 soln. in mice.

## IT 116674-24-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

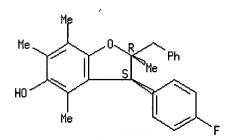
(prepn. and reaction of, in prepn. of cardiovascular and antiallergic agents)

RN 116674-24-9 HCAPLUS

CN 5-Benzofuranol, 3-(4-fluorophenyl)-2,3-dihydro-2,4,6,7-tetramethyl-2-

(phenylmethyl) -, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L10 ANSWER'2 OF 3 HCAPLUS COPYRIGHT 2003 ACS on STN

Full Citing Text References

ACCESSION NUMBER: 1988:112209 HCAPLUS

DOCUMENT NUMBER: 108:112209

TITLE: A process for the preparation of 2,3-dihydrobenzofuran

derivatives from resorcinol derivatives

INVENTOR(S): Takahashi, Katsuya; Hashimoto, Isao

PATENT ASSIGNEE(S): Mitsui Petrochemical Industries, Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 62138487	A2	19870622	JP 1985-279193	19851213 <
TP 04046273	<b>R4</b>	19920729		

PRIORITY APPLN. INFO.: JP 1985-279193 19851213

GI For diagram(s), see printed CA Issue.

AB The title compds. (I), useful as intermediates for agrochems., pharmaceuticals, and perfumes, are prepd. from 1,3-dihydroxybenzenes (II).

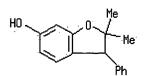
IT 113168-21-1P

RL: SPN (Synthetic preparation); PREP (Preparation)

(prepn. of, by cyclocondensation of resorcinol with ketone)

RN 113168-21-1 HCAPLUS

CN 6-Benzofuranol, 2,3-dihydro-2,2-dimethyl-3-phenyl- (9CI) (CA INDEX NAME)



L10 ANSWER 3 OF 3 HCAPLUS COPYRIGHT 2003 ACS on STN

Full Citing Text References

ACCESSION NUMBER: 1971:463523 HCAPLUS

DOCUMENT NUMBER: 75:63523

TITLE: Photolysis of 2-(benzyloxy)-4-(dodecyloxy)benzophenone

and 2-isopropoxy-4-methoxybenzophenone

AUTHOR(S): Lappin, Gerald R.; Zannucci, J. S.

CORPORATE SOURCE: Tennessee Eastman Co. Div., Eastman Kodak Co.,

Kingsport, TN, USA

SOURCE:

Journal of Organic Chemistry (1971), 36(13), 1808-11

CODEN: JOCEAH; ISSN: 0022-3263

DOCUMENT TYPE: Journal LANGUAGE: English

GI For diagram(s), see printed CA Issue.

The photolysis of 2-(benzyloxy)-4-(dodecyloxy)benzophenone (I) or of AB 2-isopropoxy-4-methoxybenzophenone (II) proceeded mainly via ring closure between the carbonyl C and the  $\alpha$  carbon of the 2 substituent to give 6-(dodecyloxy)-2,3-dihydro-2,3-diphenyl-3-benzofuranol (III) or 2,3-dihydro-2,2-dimethyl-6-methoxy-3-phenyl-3-benzofuranol (IV), resp. The quantum efficiencies for disappearance of starting ketone and for cyclization decreased significantly with an increase in solvent polarity. The lifetime of the excited state, believed to be  $3(n, \pi^*)$ , was about 3 8-10 | sec, unusually short for a benzophenone. Further photolysis of I or III resulted in dehydration to give 6-(dodecyloxy)-2,3diphenylbenzofuran (V) and partial cyclization of V to 11-(dodecyloxy)benzo[b]phenanthro[9,10-d] furan, but further photolysis of IV gave only 2-hydroxy-4-methoxybenzophenone. Both I and II gave the corresponding 4-alkoxy-2-hydroxybenzophenone as a minor product.

## IT 28856-53-3P

RL: SPN (Synthetic preparation); PREP (Preparation) (prepn. of)

RN28856-53-3 HCAPLUS

CN 3-Benzofuranol, 2,3-dihydro-6-methoxy-2,2-dimethyl-3-phenyl- (8CI) INDEX NAME)

=> file caold

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 18.12 319.28 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter  $\underline{\text{HELP FIRST}}$  for more information.

#### => d his

L1

(FILE 'HOME' ENTERED AT 08:20:33 ON 08 SEP 2003)

FILE 'REGISTRY' ENTERED AT 08:20:40 ON 08 SEP 2003

STRUCTURE UPLOADED

L2 50 S L1

L3 2122 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 08:24:21 ON 08 SEP 2003

L4 629 S L3

FILE 'REGISTRY' ENTERED AT 08:24:49 ON 08 SEP 2003

L5 STRUCTURE UPLOADED

L6 3 S L5

L7 96 S L5 FULL

FILE 'HCAPLUS' ENTERED AT 08:25:58 ON 08 SEP 2003

L8 5 S L7

L9 0 S L8 AND PD OHKAWA, S?/AU

L10 3 S L8 AND PD < JULY 1997

FILE 'CAOLD' ENTERED AT 08:26:59 ON 08 SEP 2003

=> s 17

L11 0 L7

=> file reg

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 0.40 319.68

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE
ENTRY
SESSION
CA SUBSCRIBER PRICE

0.00
-1.95

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STRUCTURE FILE UPDATES: 7 SEP 2003 HIGHEST RN 581049-54-9 DICTIONARY FILE UPDATES: 7 SEP 2003 HIGHEST RN 581049-54-9

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties

in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

L12

STRUCTURE UPLOADED

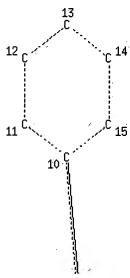
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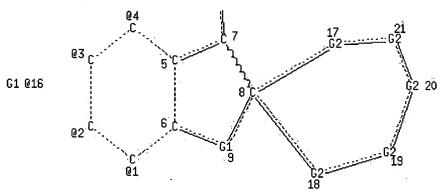
L12

C 24 N 25

0 22 S 23 Page 1-A



Page 1-B



Page 2-B

VAR G1=22/23

VAR G2=24/25

VPA 16-1/2/3/4 S

NODE AT	TRII	BUTES	:	
NSPEC	IS	R	AT	1
NSPEC	IS	R	AT	2
NSPEC	IS	R	AT	3
NSPEC	IS	R	AΤ	4
NSPEC	IS	R	AT .	5
NSPEC	IS	R	AT	6
NSPEC	IS	R	AT	7
NSPEC	IS	R	AT	8
NSPEC	IS	R	AT	9

11/2"

NSPEC IS R AT 10
NSPEC IS R AT 11
NSPEC IS R AT 12
NSPEC IS R AT 13
NSPEC IS R AT 14
NSPEC IS R AT 15
NSPEC IS R AT 16
NSPEC IS R AT 17
NSPEC IS R AT 17
NSPEC IS R AT 18
NSPEC IS R AT 19
NSPEC IS R AT 19
NSPEC IS R AT 20 NSPEC IS R AT 20 NSPEC IS R AT 21 DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE

=> s 112

SAMPLE SEARCH INITIATED 08:29:49 FILE 'REGISTRY' SAMPLE SCREEN SEARCH COMPLETED - 1143 TO ITERATE

87.5% PROCESSED 1000 ITERATIONS INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED) SEARCH TIME: 00.00.01

1 ANSWERS

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 20832 TO 24888

PROJECTED ANSWERS:

1 TO 86

L13

1 SEA SSS SAM L12

=> s 112 full

THE ESTIMATED SEARCH COST FOR FILE 'REGISTRY' IS 147.75 U.S. DOLLARS DO YOU WANT TO CONTINUE WITH THIS REQUEST? (Y) /N or END:y FULL SEARCH INITIATED 08:29:54 FILE 'REGISTRY' FULL SCREEN SEARCH COMPLETED - 23107. TO ITERATE

100.0% PROCESSED 23107 ITERATIONS 10 ANSWERS

-1.95

0.00

SEARCH TIME: 00.00.01

10 SEA SSS FUL L12

=> file hcaplus

CA SUBSCRIBER PRICE

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION FULL ESTIMATED COST 149.75 469.43 DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION

FILE 'HCAPLUS' ENTERED AT 08:29:58 ON 08 SEP 2003 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT. PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

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FILE COVERS 1907 - 8 Sep 2003 VOL 139 ISS 11 FILE LAST UPDATED: 7 Sep 2003 (20030907/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 114

L15 4 L14

=> s l15 and pd < july 1997 18057329 PD < JULY 1997 (PD<19970700)

L16 2 L15 AND PD < JULY 1997

=> d l16, ibib abs fhitstr, 1-2

L16 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2003 ACS on STN

Full Citing Text References

ACCESSION NUMBER: 1993:670938 HCAPLUS

DOCUMENT NUMBER: 119:270938

TITLE: An expedient route to spirobenzofurans AUTHOR(S): Sumathi, T.; Balasubramanian, K. K.

CORPORATE SOURCE: Dep. Chem., Indian Inst. Technol., Madras, 600 036,

India

SOURCE: Tetrahedron Letters (1993), 34(24), 3915-8

CODEN: TELEAY; ISSN: 0040-4039

DOCUMENT TYPE: Journal LANGUAGE: English

OTHER SOURCE(S): CASREACT 119:270938

GΙ

$$R^2$$
 $R^2$ 
 $R^3$ 
 $R^4$ 
 $R^2$ 
 $R^3$ 
 $R^4$ 
 $R^2$ 
 $COR$  II

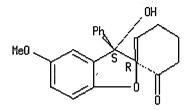
AB The synthesis of spirobenzofurans I (R = H, Me, Ph; R1 = H, Cl, Me, OMe; R2 = H, OMe) via base-mediated spiroannulation of arom. aldehydes and ketones II with 2-chlorocyclohexanone is reported.

IT 151424-49-6P

RN 151424-49-6 HCAPLUS

CN Spiro[benzofuran-2(3H),1'-cyclohexan]-2'-one, 3-hydroxy-5-methoxy-3-phenyl, cis- (9CI) (CA INDEX NAME)

Relative stereochemistry.



L16 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2003 ACS on STN

Full Citing Text References

ACCESSION NUMBER:

1988:549335 HCAPLUS

DOCUMENT NUMBER:

109:149335

TITLE:

Preparation of 5-hydroxycoumaran derivatives as

cardiovascular and antiallergy agents

INVENTOR(S):

Terao, Shinji; Maki, Yoshitaka

PATENT ASSIGNEE(S):

Takeda Chemical Industries, Ltd., Japan

SOURCE:

Eur. Pat. Appl., 39 pp.

CODEN: EPXXDW

DOCUMENT TYPE:

Patent English

LANGUAGE:

Engl

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT 'NO.	KIND	DATE	APPLICATION NO.	DATE		
EP 273647	A1	19880706	EP 1987-311122	19871217 <		
EP 273647	В1	19920311				
R: AT, BE, C	H, DE	, ES, FR, GB,	GR, IT, LI, LU, NL	, SE		
JP 01272578	A2	19891031	JP 1987-310346	19871207 <		
JP 08005871	B4	19960124				
AT 73448	E	19920315	AT 1987-311122	19871217 <		
DK 8706789	A	19880628	DK 1987-6789	19871222 <		
US 4857516	A	19890815	US 1987-136273	19871222 <		
HU 48609	A2	19890628	HU 1987-5988	19871223 <		
HU 206332	В	19921028				
AU 8783040	A1	19880630	AU 1987-83040	19871224 <		
AU 605818	B2	19910124				
CA 1325635	A1	19931228	CA 1987-555354	19871224 <		
PRIORITY APPLN. INFO.:			JP 1986-313380	19861227		
			JP 1987-235491	19870918		
			EP 1987-311122	19871217		
OTHER SOURCE(S): CASREACT 109:149335; MARPAT 109:149335						

GI

AB The title compds. [I; R = alkyl; R0 = H, acyl; R1-R4 = (un) substituted alkyl; R1R2 = CH:CHCH:CH; R3R4 = polymethylene; R5 = (un)substituted alkyl, aryl, heterocyclyl] were prepd. 4-FC6H4COCHMe2 (prepn. given) was added to 1-bromo-2,5-dimethoxy-3,4,6-trimethylbenzene in THF previously treated with BuLi and the mixt. stirred 1 h to give 92.3% diphenylpropanol II which was refluxed 18 h in 47 wt.% aq. HBr to give 74.8% title compd. III. The latter, at 100 mg/kg orally gave 93% inhibition of the excitatory behavior induced by spinal intrathecal injection of FeCl2 soln. in mice.

### IT 116674-27-2P

RL: SPN (Synthetic preparation); PREP (Preparation) (prépn. of, as cardiovascular and antiallergic agent)

RN116674-27-2 HCAPLUS

CN Spiro[benzofuran-2(3H),1'-cyclohexan]-5-ol, 3-(4-bromophenyl)-4,6,7trimethyl- (9CI) (CA INDEX NAME)

=> file caold COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION 11.33480.76

FULL ESTIMATED COST

SINCE FILE TOTAL

ENTRY

SESSION CA SUBSCRIBER PRICE -1.30 -3.25

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

This file contains CAS Registry Numbers for easy and accurate substance identification. Title keywords, authors, patent

assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REG1stRY for direct browsing and searching of all substance data from the REGISTRY file. Enter <u>HELP FIRST</u> for more information.

#### => file caold

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.40	481.16
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY 0.00	SESSION -3.25

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#### => d his

(FILE 'HOME' ENTERED AT 08:20:33 ON 08 SEP 2003)

FILE 'REGISTRY' ENTERED AT 08:20:40 ON 08 SEP 2003
L1 STRUCTURE UPLOADED

L2 50 S L1 L3 2122 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 08:24:21 ON 08 SEP 2003 L4 629 S L3

FILE 'REGISTRY' ENTERED AT 08:24:49 ON 08 SEP 2003

L5 STRUCTURE UPLOADED
L6 3 S L5

L7 96 S L5 FULL

FILE 'HCAPLUS' ENTERED AT 08:25:58 ON 08 SEP 2003

L8 5 S L7

L9 0 S L8 AND PD OHKAWA, S?/AU L10 3 S L8 AND PD < JULY 1997

FILE 'CAOLD' ENTERED AT 08:26:59 ON 08 SEP 2003

L11 0 S L7

FILE 'REGISTRY' ENTERED AT 08:27:10 ON 08 SEP 2003

L12 STRUCTURE UPLOADED

L13 1 S L12

L14 10 S L12 FULL

FILE 'HCAPLUS' ENTERED AT 08:29:58 ON 08 SEP 2003

L15 4 S L14

L16 2 S L15 AND PD < JULY 1997

FILE 'CAOLD' ENTERED AT 08:30:38 ON 08 SEP 2003

FILE 'CAOLD' ENTERED AT 08:30:43 ON 08 SEP 2003

=> s 114

L17 0 L14

=> log y

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 0.40 481.56

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION

CA SUBSCRIBER PRICE 0.00 -3.25

STN INTERNATIONAL LOGOFF AT 08:30:53 ON 08 SEP 2003